SEQUENCE LISTING

5	(1) GENER	AL INFORMATION:
	(i)	APPLICANT: Innis, Michael
		Creasey, Abla
10	(ii)	TITLE OF INVENTION: Chimeric Proteins
	(iii)	NUMBER OF SEQUENCES: 37
	(iv)	CORRESPONDENCE ADDRESS:
15		(A) ADDRESSEE: Chiron Corporation
: E		(B) STREET: 4560 Horton St.
		(C) CITY: Emeryville
		(D) STATE: CA
es.		(E) COUNTRY: USA
		(F) ZIP: 94608
33	(v)	COMPUTER READABLE FORM:
! 		(A) MEDIUM TYPE: Floppy disk
		(B) COMPUTER: IBM PC compatible
2 5		(C) OPERATING SYSTEM: PC-DOS/MS-DOS
		(D) SOFTWARE: PatentIn Release #1.0, Version #1.30B
	(ari)	CURRENT APPLICATION DATA:
	(\(\omega \)	(A) APPLICATION NUMBER: US
30		(B) FILING DATE: 05-AUG-1994
50		(C) CLASSIFICATION:
	(viii)	ATTORNEY/AGENT INFORMATION:
	-	(A) NAME: Savereide, Paul B.
35		(B) REGISTRATION NUMBER: 36,914
		(C) REFERENCE/DOCKET NUMBER: 0990.001
	(ix)	TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: 510-601-2585

(2) INFORMATION FOR SEQ ID NO:1: 5 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 51 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single 10 (D) TOPOLOGY: linear (ii) MOLECULE TYPE: peptide 15 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1: Cys Ala Phe Lys Ala Asp Asp Gly Pro Cys Lys Ala Ile Met Lys Arg 15 10 Phe Phe Phe Asn Ile Phe Thr Arg Gln Cys Glu Glu Phe Ile Tyr Gly m 30 25 20 Gly Cys Glu Gly Asn Gln Asn Arg Phe Glu Ser Leu Glu Glu Cys Lys 25 40 45 Lys Met Cys 50 30 (2) INFORMATION FOR SEQ ID NO:2: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 51 amino acids 35 (B) TYPE: amino acid (C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

40

(B) TELEFAX: 510-655-3542

5	**:	Cys 1	Leu	Leu	Pro	Leu 5	Asp	Tyr	Gly	Pro	Cys 10	Arg	Ala	Leu	Leu	Leu 15	Arg
10		Tyr	Tyr	Tyr	Asp 20	Arg	Tyr	Thr	Gln	Ser 25	Cys	Arg	Gln	Phe	Leu 30	Tyr	Gly
		Gly	Cys	Glu 35	Gly	Asn	Ala	Asn	Asn 40	Phe	Tyr	Thr	Trp	Glu 45	Ala	Cys	Asp
15	March March	Asp	Ala 50	Cys					•								
ate Cal	(2)	INFO	RMATI	ON F	FOR S	SEQ 1	D NC):3:									
20		(i)	(B)	LEN TYI STI	E CHA NGTH: PE: & RANDI POLOC	51 mino EDNES	amir aci SS: s	no ad id singl	cids								
2 5		(ii)	MOLE	ECULE	TYI	PE: p	pepti	ide									
30		(xi)	SEQU	JENCI	E DE:	SCRII	PTIO	N: SI	EQ II	ON C	:3:						
		Cys 1	Phe	Leu	Glu	Glu 5	Asp	Pro	Gly	Ile	Cys 10	Arg	Gly	Tyr	Ile	Thr 15	Arg
35		Tyr	Phe	Tyr	Asn 20	Asn	Gln	Thr	Lys	Gln 25	Cys	Glu	Arg	Phe	Lys	Tyr	Gly
		Gly	Cys	Leu 35	Gly	Asn	Met	Asn	Asn	Phe	Glu	Thr	Leu	Glu 45	Glu	Cys	Lys

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

Asn Ile Cys 50

(2) INFORMATION FOR SEQ ID NO:4: 5 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 54 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single 10 (D) TOPOLOGY: linear (ii) MOLECULE TYPE: peptide 15 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4: Cys Arg Leu Gln Val Ser Val Asp Asp Gln Cys Glu Gly Ser Thr Glu 10 15 Lys Tyr Phe Phe Asn Leu Ser Ser Met Thr Cys Glu Lys Phe Phe Ser 30 20 Gly Gly Cys His Arg Asn Arg Ile Glu Asn Arg Phe Pro Asp Glu Ala 35 Thr Cys Met Gly Phe Cys 50 30

35

- (2) INFORMATION FOR SEQ ID NO:5:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 51 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: peptide

		(xi)	SEQU	ENCE	E DES	SCRII	OITS	N: SI	EQ II	ONO:	:5:						
5		Cys 1	Leu	Thr	Pro	Ala 5	Asp	Arg	Gly	Leu	Cys 10	Arg	Ala	Asn	Glu	Asn 15	Arg
10		Phe	Tyr	Tyr	Asn 20	Ser	Val	Ile	Gly	Lys 25	Cys	Arg	Pro	Phe	Lys 30	Tyr	Ser
10		Gly	Cys	Gly 35	Gly	Asn	Glu	Asn	Asn 40	Phe	Thr	Ser	Lys	Gln 45	Glu	Cys	Leu
15		Arg	Ala 50	Cys													
	(2)	INFO	TAMS	ON F	FOR S	SEQ I	ED NO	0:6:									
	,	(i)	(A) (B) (C)	LEN TYI STI	NGTH:	: 51 emino EDNES	amin ac: SS: s	sing	cids								
125 14 12 12		(ii)	MOLE	CUL	E TYI	?E: p	pept:	ide									
30		(xi)	SEQU	JENCI	E DES	SCRI	PTIO	N: S1	EQ II	ON O	:6:						
		Cys 1	Tyr	Ser	Pro	Lys 5	Asp	Glu	Gly	Leu	Cys 10	Ser	Ala	Asn	Val	Thr 15	Arg
35		Tyr	Tyr	Phe	Asn 20	Pro	Arg	Tyr	Arg	Thr 25	Cys	Asp	Ala	Phe	Thr 30	Tyr	Thr
		Gly	Cys	Gly 35	Gly	Asn	Asp	Asn	Asn	Phe	Val	Ser	Arg	Glu 45	Asp	Cys	Lys

Arg Ala Cys 50

(2) INFORMATION FOR SEQ ID NO:7:

. 5

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 37 amino acids

(B) TYPE: amino acid

(C) STRANDEDNESS: single

10

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

15

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

Lys Lys Gly Phe Ile Gln Arg Ile Ser Lys Gly Gly Leu Ile Lys Thr 1 15

5 10

Lys Arg Lys Arg Lys Gln Arg Val Lys Ile Ala Tyr Glu Glu Ile

Phe Val Lys Asn Met

35

(2) INFORMATION FOR SEQ ID NO:8:

30

1425

P.

ji sik

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 27 amino acids

(B) TYPE: amino acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

35

(ii) MOLECULE TYPE: peptide

		(xi)	SEQU	JENCI	E DES	SCRII	PTIOI	N: SI	EQ II	ON C	:8:						
5		Ala 1	Lys	Ala	Leu	Lys 5	Lys	Lys	Lys	Lys	Met 10	Pro	Lys	Leu	Arg	Phe 15	Ala
,		Ser	Arg	Ile	Arg 20	Lys	Ile	Arg	Lys	Lys 25	Gln	Phe					
10	(2)	INFO	TAMS	ON E	FOR S	SEQ I	(D 18():9:									
15		(i)	(A) (B) (C)	LEM TYI STI	NGTH: PE: & RANDI	: 276	s ami	singl	acids	5							
		(ii)															
		(xi)	SEQU	JENCI	E DES	SCRII	PTIO	N: SE	EQ II	NO:	9:						
125 114		Asp 1	Ser	Glu	Glu	Asp 5	Glu	Glu	His	Thr	Ile 10	Ile	Thr	Asp	Thr	Glu 15	Leu
		Pro	Pro	Leu	Lys 20	Leu	Met	His	Ser	Phe 25	Cys	Ala	Phe	Lys	Ala 30	Asp	Asp
30		Gly	Pro	Cys 35	Arg	Ala	Ile	Met	Lys 40	Arg	Phe	Phe	Phe	Asn 45	Ile	Phe	Thr
35		Arg	Gln 50	Cys	Glu	Glu	Phe	Ile 55	Tyr	Gly	Gly	Cys	Glu 60	Gly	Asn	Gln	Asn
33		Arg 65	Phe	Glu	Ser	Leu	Glu 70	Glu	Сув	Lys	Lys	Met 75	Сув	Thr	Arg	Asp	Asn 80
40		Ala	Asn	Arg	Ile	Ile 85	Lys	Thr	Thr	Leu	Gln 90	Gln	Glu	Lys	Pro	Asp 95	Phe

		Cys	Phe	Leu	Glu 100	Glu	Asp	Pro	Gly	Ile 105	Суз	Arg	Gly	Tyr	Ile 110	Thr	Arg
5		Tyr	Phe	Tyr 115	Asn	Asn	Gln	Thr	Lys 120	Gln	Cys	Glu	Arg	Phe 125	Lys	Tyr	Gly
		Gly	Cys 130	Leu	Gly	Asn	Met	Asn 135	Asn	Phe	Glu	Thr	Leu 140	Glu	Glu	Cys	Lys
10		Asn 145	Ile	Cys	Glu	Asp	Gly 150	Pro	Asn	Gly	Phe	Gln 155	Val	Asp	Asn	Tyr	Gly 160
1.5		Thr	Gln	Leu	Asn	Ala 165	Val	Asn	Asn	Ser	Leu 170	Thr	Pro	Gln	Ser	Thr 175	Lys
15		Val	Pro	Ser	Leu 180	Phe	Glu	Phe	His	Gly 185	Pro	Ser	Trp	Cys	Leu 190	Thr	Pro
20		Ala	Asp	Arg 195	Gly	Leu	Cys	Arg	Ala 200	Asn	Glu	Asn	Arg	Phe 205	Tyr	Tyr	Asn
		Ser	Val 210	Ile	Gly	Lys	Cys	Arg 215	Pro	Phe	Lys	Tyr	Ser 220	Gly	Cys	Gly	Gly
2 5 U		Asn 225	Glu	Asn	Asn	Phe	Thr 230	Ser	Lys	Gln	Glu	Cys 235	Leu	Arg	Ala	Cys	Lys 240
30		Lys	Gly	Phe	Ile	Gln 245	Arg	Ile	Ser	Lys	Gly 250	Gly	Leu	Ile	Lys	Thr 255	Lys
		Arg	Lys	Arg	Lys 260	Lys	Gln	Arg	Val	Lys 265	Ile	Ala	Tyr	Glu	Glu 270	Ile	Phe
35		Val	Lys	Asn 275	Met												
	(2)	INFO	RMAT:	ION 1	FOR S	SEQ :	ID N	0:10	:								

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 23 amino acids

5 (ii) MOLECULE TYPE: peptide 10 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10: Lys Thr Lys Arg Lys Arg Lys Gln Arg Val Lys Ile Ala Tyr Glu 1 15 15 Glu Ile Phe Val Lys Asn Met 20 (2) INFORMATION FOR SEQ ID NO:11: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 23 amino acids (B) TYPE: amino acid e J.J. (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: peptide 30 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11: Lys Lys Lys Lys Met Pro Lys Leu Arg Phe Ala Ser Arg Ile Arg 10 15 5 35 Lys Ile Arg Lys Lys Gln Phe 20

(2) INFORMATION FOR SEQ ID NO:12:

40

(B) TYPE: amino acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear

5	(A) LENGTH: 17 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: peptide	
10		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:	
15	Ala Lys Leu Asn Cys Arg Leu Tyr Arg Lys Ala Asn Lys Ser Ser Lys 1 5 10 15	
	Leu	
⊉ 0 ≟	(2) INFORMATION FOR SEQ ID NO:13:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 15 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
30	(ii) MOLECULE TYPE: peptide	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:	
35	Thr Ser Asp Gln Ile His Phe Phe Phe Ala Lys Leu Asn Cys Arg 1 5 10 15	
	(2) INFORMATION FOR SEQ ID NO:14:	
40	(i) SEQUENCE CHARACTERISTICS:	

(i) SEQUENCE CHARACTERISTICS:

(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: peptide 10 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:14: Ser Glu Lys Thr Leu Arg Lys Trp Leu Lys Met Phe Lys Lys Arg Glu 5 10 15 15 Leu Glu Glu Tyr 20 (2) INFORMATION FOR SEQ ID NO:15: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 15 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: peptide 30 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:15: His Arg His His Pro Arg Glu Met Lys Lys Arg Val Glu Asp Leu 35 10 (2) INFORMATION FOR SEQ ID NO:16: (i) SEQUENCE CHARACTERISTICS: 40 (A) LENGTH: 18 amino acids

(A) LENGTH: 20 amino acids

```
(D) TOPOLOGY: linear
 5
            (ii) MOLECULE TYPE: peptide
10
            (xi) SEQUENCE DESCRIPTION: SEQ ID NO:16:
            Phe Arg Lys Leu Thr His Arg Leu Phe Arg Arg Asn Phe Gly Tyr Thr
15
            Leu Arg
       (2) INFORMATION FOR SEQ ID NO:17:
            (i) SEQUENCE CHARACTERISTICS:
                  (A) LENGTH: 12 amino acids
                  (B) TYPE: amino acid
                 (C) STRANDEDNESS: single
                 (D) TOPOLOGY: linear
           (ii) MOLECULE TYPE: peptide
30
           (xi) SEQUENCE DESCRIPTION: SEQ ID NO:17:
            Leu Tyr Lys Lys Ile Leu Lys Lys Leu Leu Glu Ala
                                                 10
35
       (2) INFORMATION FOR SEQ ID NO:18:
            (i) SEQUENCE CHARACTERISTICS:
                 (A) LENGTH: 26 amino acids
```

(B) TYPE: amino acid

40

(B) TYPE: amino acid(C) STRANDEDNESS: single

5		(ii)	MOL	ECUL	Е ТУ	PE:	pept	ide									
10		(xi)	SEQ	UENC	E DE	SCRI	PTIO	N:S	EQ II	D NO	:18:						
		Asn 1	Gly	Leu	Lys	Arg 5	Asp	Lys	Leu	Gly	Cys 10	Glu	Tyr	Cys	Glu	Cys 15	Arg
15		Pro	Lys	Arg	Lys 20	Leu	Ile	Pro	Arg	Leu 25	Ser						
The second secon	(2)	INFO	RMAT:	ION :	FOR S	SEQ :	ID N	0:19	:								
er e		(i)	(A) (B) (C)) LEI) TYI) STI	E CHI NGTH PE: 3 RANDI POLO	: 16 amin EDNE:	Lam: cac: SS: :	ino a id sing:	acid	5							
25 25 10 10 10 10 10 10 10 10 10 10 10 10 10 1		(ii)	MOLI	ECUL	E TYI	PE: I	pept:	ide									
30		(xi)	SEQ	JENC	E DES	SCRI	PTIO	N: SI	EQ II	OM C	:19:						
		Asp 1	Ser	Glu	Glu	Asp 5	Glu	Glu	His	Thr	Ile 10	Ile	Thr	Asp	Thr	Glu 15	Leu
35		Pro	Pro	Leu	Lys 20	Leu	Met	His	Ser	Phe 25	Cys	Ala	Phe	Lys	Ala 30	Asp	Asp
40		Gly	Pro	Суs 35	Arg	Ala	Ile	Met	Lys 40	Arg	Phe	Phe	Phe	Asn 45	Ile	Phe	Thr

(C) STRANDEDNESS: single(D) TOPOLOGY: linear

		Arg	50	Cys	GIU	GIu	Pne	55	Tyr	Gly	GIY	Cys	60	Gly	Asn	Gin	Asn
5		Arg 65	Phe	Glu	Ser	Leu	Glu 70	Glu	Cys	Lys	Lys	Met 75	Cys	Thr	Arg	Asp	Asn 80
		Ala	Asn	Arg	Ile	Ile 85	Lys	Thr	Thr	Leu	Gln 90	Gln	Glu	Lys	Pro	Asp 95	Phe
10		Cys	Phe	Leu	Glu 100	Glu	Asp	Pro	Gly	Ile 105	Cys	Arg	Gly	Tyr	Ile 110	Thr	Arg
15		Tyr	Phe	Tyr 115	Asn	Gln	Gln	Thr	Lys 120	Gln	Суѕ	Glu	Arg	Phe 125	Lys	Tyr	Gly
		Gly	Cys 130	Leu	Gly	Asn	Met	Asn 135	Asn	Phe	Glu	Thr	Leu 140	Glu	Glu	Cys	Lys
		Asn 145	Ile	Cys	Glu	Asp	Gly 150	Pro	Asn	Gly	Phe	Gln 155	Val	Asp	Asn	Tyr	Gly 160
B		Thr															
	(2)	INFOR	ITAM	ON E	FOR S	SEQ I	D NC	20:									
S C C C C C C C C C C C C C C C C C C C		(i)	(A)	LEN	CHA IGTH: PE: n	9 k	ase	pair									
30					POLOG				.e								
35		(ii)			TYP												

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:20:

CG		

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	(2)	INFORMATION FOR SEQ ID NO:21:	
5		(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 37 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
		<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "primer"</pre>	
15			
		(xi) SEQUENCE DESCRIPTION: SEQ ID NO:21:	
	GCT	CCGCGGT GGCGATTCTG AGGAGGAGAT GAAGAAC	37
20 13 53	(2)	INFORMATION FOR SEQ ID NO:22:	
		(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 38 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
30		<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "primer"</pre>	
35		(xi) SEQUENCE DESCRIPTION: SEQ ID NO:22:	
	TCTG	FTCGACT CACATATTTT TAACAAAAAT TTCTTCAT	38

(2) INFORMATION FOR SEQ ID NO:23:

	(i) SEQUENCE CHARACTERISTICS:	
	(A) LENGTH: 13 base pairs	
	(B) TYPE: nucleic acid	
	(C) STRANDEDNESS: double	
5	(D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: other nucleic acid	
	(A) DESCRIPTION: /desc = "adapter"	
	, and the same same same same same same same sam	
10		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:23:	
	,	
15	TCTAGATAAA AGA	13
	(2) INFORMATION FOR SEQ ID NO:24:	
12 10 12 12 12 12 12 12 12 12 12 12 12 12 12 12 1	(4) CEOURNER CUADACERRATERA	
20	(i) SEQUENCE CHARACTERISTICS:	
20	(A) LENGTH: 38 base pairs	
02 10 10 10 10 10 10 10 10 10 10 10 10 10	(B) TYPE: nucleic acid	
	(C) STRANDEDNESS: single	
	(D) TOPOLOGY: linear	
25	(ii) MOLECULE TYPE: other nucleic acid	
	(A) DESCRIPTION: /desc = "primer"	
	(A) blockii itok. / desc = primer	
7 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 1		
i na		
30		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:24:	
	ATCTCTAGAT AAAAGAGATT CTGAGGAAGA TGAAGAAC	38
35 .	(2) INFORMATION FOR SEQ ID NO:25:	
	(i) SEQUENCE CHARACTERISTICS:	
	(A) LENGTH: 32 base pairs	
	(B) TYPE: nucleic acid	
40	(C) STRANDEDNESS: single	

5	<pre>(ii) MOLECULE TYPE: other nucleic acid</pre>	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:25:	
	TCTGTCGACT CAGGTTCCAT AATTATCCAC CT	32
	(2) INFORMATION FOR SEQ ID NO:26:	
20	(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 33 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	,
	(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "primer"	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:26:	
	AGGTATTTT ATAACAATCA GACAAAACAG TGT	33
30	(2) INFORMATION FOR SEQ ID NO:27:	
35	(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 33 base pairs(B) TYPE: nucleic acid	
	(C) STRANDEDNESS: single (D) TOPOLOGY: linear	
10	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "primer"</pre>	

(D) TOPOLOGY: linear

5		(xi) SEQUENCE DESCRIPTION: SEQ ID NO:27:	
,	GAAA	ACGTTCA CACTGTTTTG TCTGATTGTT ATA	33
	(2)	INFORMATION FOR SEQ ID NO:28:	
10		(i) SEQUENCE CHARACTERISTICS:	
		(A) LENGTH: 34 base pairs	
		(B) TYPE: nucleic acid	
		(C) STRANDEDNESS: single	
15		(D) TOPOLOGY: linear	
		(ii) MOLECULE TYPE: other nucleic acid	
		(A) DESCRIPTION: /desc = "primer"	
20			
		(xi) SEQUENCE DESCRIPTION: SEQ ID NO:28:	
= 	CCAG	GCTCAAT GCTGTGAATA ACTCCCTGAC TCCG	34
2 5	(2)	INFORMATION FOR SEQ ID NO:29:	
		(i) SEQUENCE CHARACTERISTICS:	
i.i		(A) LENGTH: 36 base pairs	
30		(B) TYPE: nucleic acid	
		(C) STRANDEDNESS: single	
		(D) TOPOLOGY: linear	
		(ii) MOLECULE TYPE: other nucleic acid	
35		(A) DESCRIPTION: /desc = "primer"	
40		(xi) SEQUENCE DESCRIPTION: SEQ ID NO:29:	

	(2)	INFO	DRMATION FOR SEQ ID NO:30:	
5		(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 33 base pairs	
	1000年 - 100000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 1000	į	(B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
		(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "primer"	
15	g Arr			
3.02		(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:30:	
	GGGG	ggaaat	TG AAAACAATTT TACTTCCAAA CAA	33
con party	(2)	INFOR	RMATION FOR SEQ ID NO:31:	
		(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 36 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
30		(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "primer"	
35		(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:31:	
	CCTC	CAGACA	AT TCTTGTTTGG AAGTAAAATT GTTTTC	36

36

CTTGGTTGAT TGCGGAGTCA GGGAGTTATT CACAGC

(2) INFORMATION FOR SEQ ID NO:32:

	(i) SEQUENCE CHARACTERISTICS:	
	(A) LENGTH: 24 base pairs	
	(B) TYPE: nucleic acid	
	(C) STRANDEDNESS: single	
5	(D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: other nucleic acid	
	(A) DESCRIPTION: /desc = "primer"	
	· · · · · · · · · · · · · · · · · · ·	
10		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:32:	
	(112, 122, 122, 122, 122, 122, 122, 122,	
15	CCGATGCATT CATTTTGTGC ATTC	2
* ************************************		
	(2) INFORMATION FOR SEQ ID NO:33:	
4		
inter inter	(i) SEQUENCE CHARACTERISTICS:	
20	(A) LENGTH: 24 base pairs	
- Called	(B) TYPE: nucleic acid	
117	(C) STRANDEDNESS: single	
	(D) TOPOLOGY: linear	
or of the		
9	(ii) MOLECULE TYPE: other nucleic acid	
1.7	(A) DESCRIPTION: /desc = "primer"	
-27		
80		
00	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:33:	
	, , , , , , , , , , , , , , , , , , ,	
	CCTCATGATT GCCCGACATG GGCC	24
35	(2) INFORMATION FOR SEQ ID NO:34:	
	~	
	(i) SEQUENCE CHARACTERISTICS:	
	(A) LENGTH: 29 base pairs	
	(B) TYPE: nucleic acid	
10	(C) STRANDEDNESS: single	

	<pre>(ii) MOLECULE TYPE: other nucleic acid</pre>	
5		
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:34:	
10	GGTCCGCGGT GGTGATGCTG CTCAGGAGC	29
	(2) INFORMATION FOR SEQ ID NO:35:	
15 5	(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 33 base pairs(B) TYPE: nucleic acid	÷
20	(C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "primer"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:35:	
30	GCAATGTTGT TTTTCTATC CTCCAGCAAG CAT	33
30	(2) INFORMATION FOR SEQ ID NO:36:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 34 base pairs	
35	(B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
40	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "primer"</pre>	

(D) TOPOLOGY: linear

5	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:36:	
	GGATAGAAAA AAACAACATT GCAACAAGAA AAGC	34
	(2) INFORMATION FOR SEQ ID NO:37:	
10	(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 32 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
7	(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "primer"	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:37:	
25 min all all all all all all all all all al	GGTTCTTGCA TTCTTCCAGT GTCTCAAAAT TG	32